Front frame, complete

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1 General

In case of repair, replace the “complete front frame”.

The “front frame, complete”, comprises the front frame, the label (EvitaXL), and the front membrane.

In case of repair, remove the keypad labeling strip from the faulty front frame and use it in the new front frame!

1.1 Replacing the front frame

1 Switch off the device.

2 Unplug the power plug of the device from the socket-outlet.

3 Disconnect the compressed-gas supply hoses from the central gas supply.

Electrostatic discharge may damage electrostatic sensitive devices. When handling electrostatic sensitive devices, use a static-dissipative mat and a static dissipative wrist strap.

4 Create ESD conditions.

5 Remove the control unit from the interlock of the device and place it on a static-dissipative mat.

6 Unscrew the screws of the plug-in connector (Fig. 1/1) on the back of the control unit, and disconnect the connecting cable from the control unit.

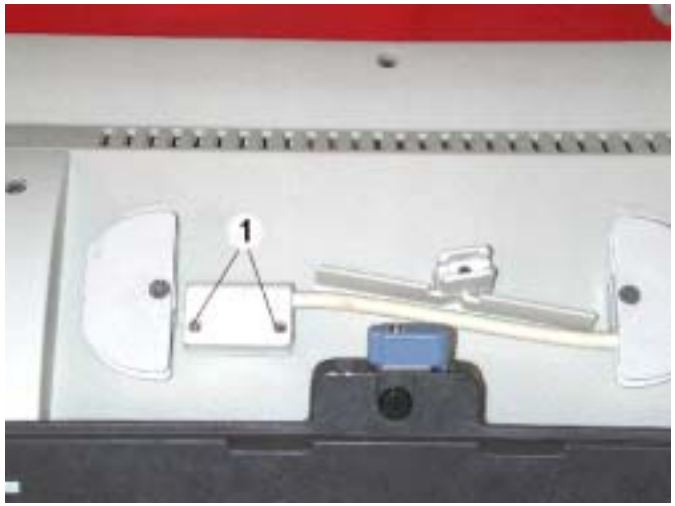

Fig. 1 Plug-in connector

7 Place the control unit on the static-dissipative mat.

8 Remove the screws (Fig. 2/1).

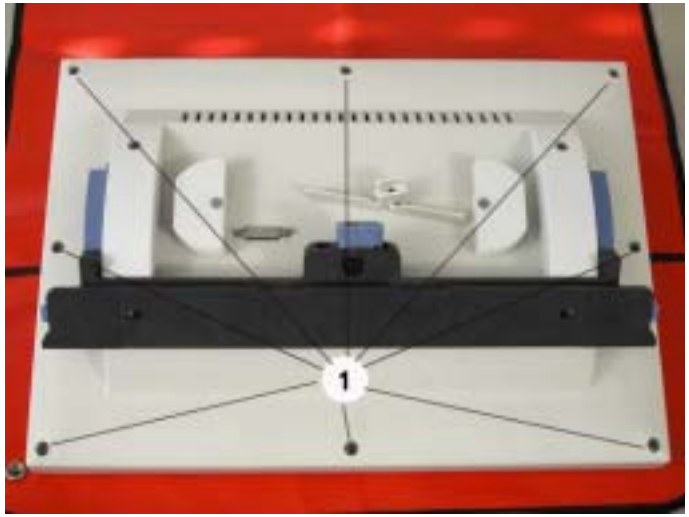

Fig. 2 Rear panel of the control unit

9 Remove the rear panel and put it aside.

10 Pull out the cable connector (Fig. 3/1).

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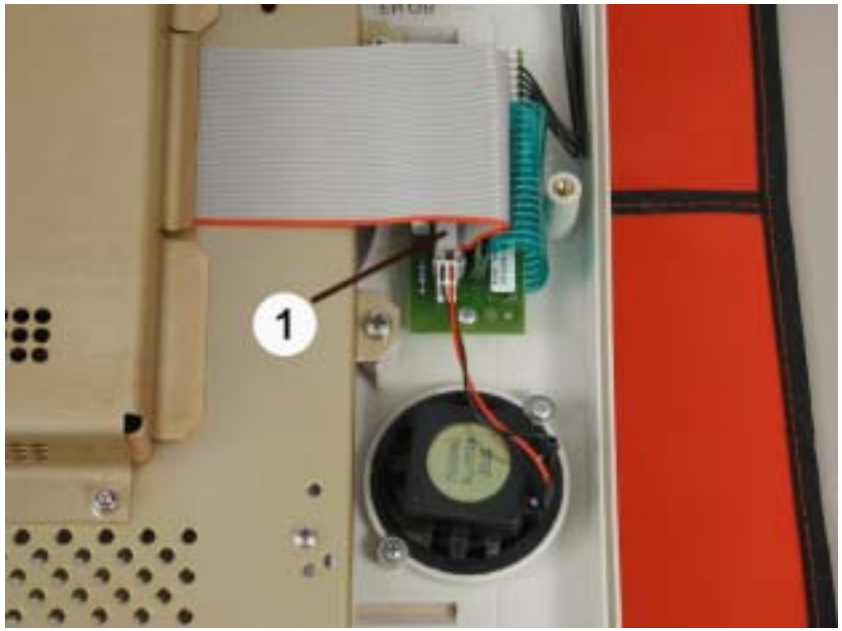

Fig. 3 Cable connector

11 Hold the flex cable near the connection socket and pull it out slowly and carefully (Fig. 4).

Fig. 4 Adapter PCB, flex cable

12 Remove the screws (Fig. 5/1).

13 Carefully remove the installation frame with display from the front frame and place it aside **(Note: the touchscreen is only loosely mounted in the front frame with a sealing; if the sealing sticks to the display, the touchscreen could be unintentionally removed in the process and might fall down!)**.

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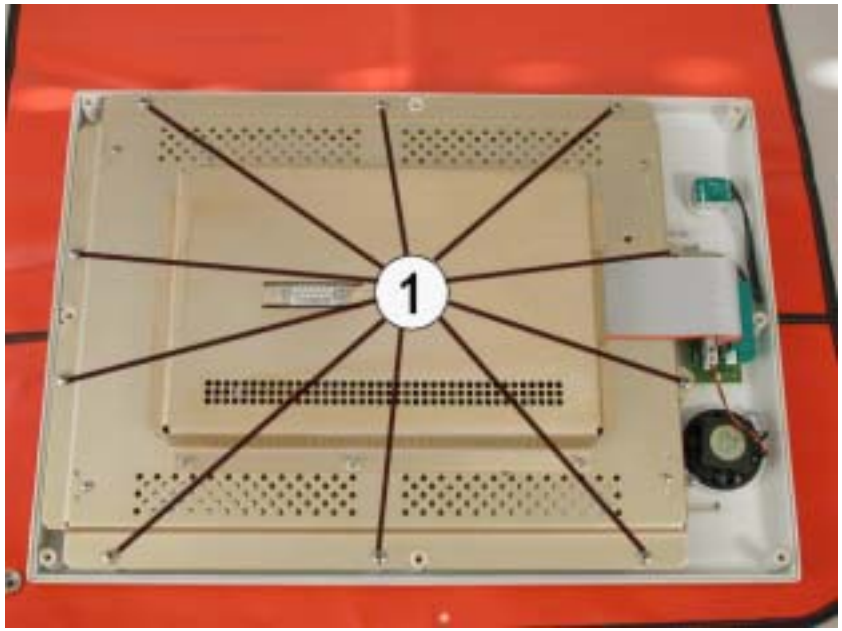

Fig. 5 Front frame; removing the installation frame

14 Remove the “touchscreen” together with the sealing (Fig. 6) from the faulty front frame.

Fig. 6 Front frame; “touchscreen” with sealing

15 Remove the front membrane connector from the Adapter PCB.

16 Remove the loudspeaker connector from the Adapter PCB.

17 Remove the rotary transducer connector from the Adapter PCB.

18 Remove the Adapter PCB screws.

19 Remove the Adapter PCB from the faulty front frame and place it aside.

20 Remove the loudspeaker screws.

21 Remove the loudspeaker rom the faulty front frame and place it aside.

22 Turn the front frame around.

23 Carefully remove the control knob from the rotary transducer (Note: the control knob contains a loose leaf spring).

24 Remove the nut and the washer (Fig. 7/1).

Fig. 7 Rotary transducer

25 Remove the rotary transducer from the faulty front frame and place it aside.

26 Remove the keypad labeling strip from the faulty front frame and **place it aside**.

A faulty front frame including front membrane is special waste. Dispose of a faulty front frame including front membrane according to applicable waste disposal regulations.

27 Dispose of the faulty front frame including front membrane according to applicable waste disposal regulations.

28 Attach the new “EvitaXL” label to the provided indented space in the top right corner of the front frame.

29 Turn the new front frame around.

30 Secure the Adapter PCB to the new front frame using the screws and washers.

31 Secure the loudspeaker to the new front frame using the screws and washers.

32 Plug the loudspeaker connector onto the plug-in contact of the Adapter PCB.

33 Secure the rotary transducer to the front frame using the washer and nut.

34 Plug the rotary transducer connector onto the plug-in contact of the Adapter PCB.

35 Push the control knob including leaf spring onto the rotary transducer (Note: Observe clamping position of the leaf spring, correct if necessary).

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36 Thread the flex cable of the front membrane (Fig. 8) through the slot in the front frame, and plug the flex cable connector onto the plug-in contact on the Adapter PCB.

37 Push the keypad labeling strip from the old frontframe (Fig. 8) into the front membrane as far as it will go **(Note: the labeled side must be visible!)**.

Fig. 8 Keypad labeling strip

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38 Remove the complete protective foil from the front membrane, insert the protruding end of the keypad labeling strip through the slot in the front frame, and attach the front membrane to the front frame making sure it is aligned properly, see Fig. 9.

Fig. 9 Attaching the front membrane

39 Place the “Touchscreen” (Fig. 10) into the front frame **(Note: the rough side of the “Touchscreen” must face outward!)**.

Fig. 10 Front frame; “touchscreen” with sealing

40 Clean the inner side of the “Touchscreen” with a mild window cleaning agent and a cloth.

41 Secure the installation frame to the front frame using the screws (Fig. 11/1).

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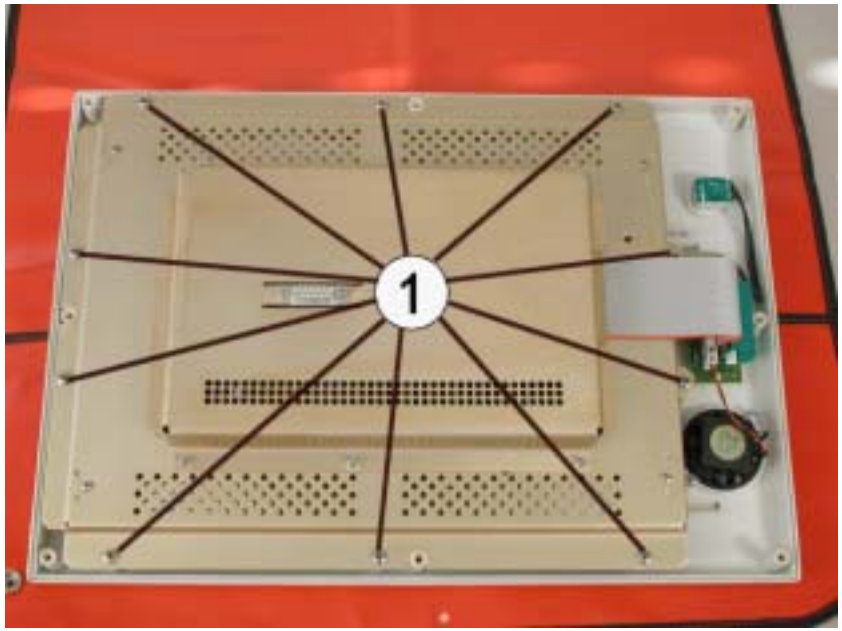

Fig. 11 Front frame; installing the installation frame

42 Turn the front frame around and check whether the touchscreen lies flat in the front frame, correct the position of the installation frame **(Note: there should be no gap between touchscreen and front frame!)**.

43 Hold the flex cable near the connection socket and push it slowly and carefully into the connection socket of the Adapter PCB (Fig. 12).

Fig. 12 Adapter PCB, flex cable

44 Plug the cable connector (Fig. 13/1) into the connection socket of the Adapter PCB.

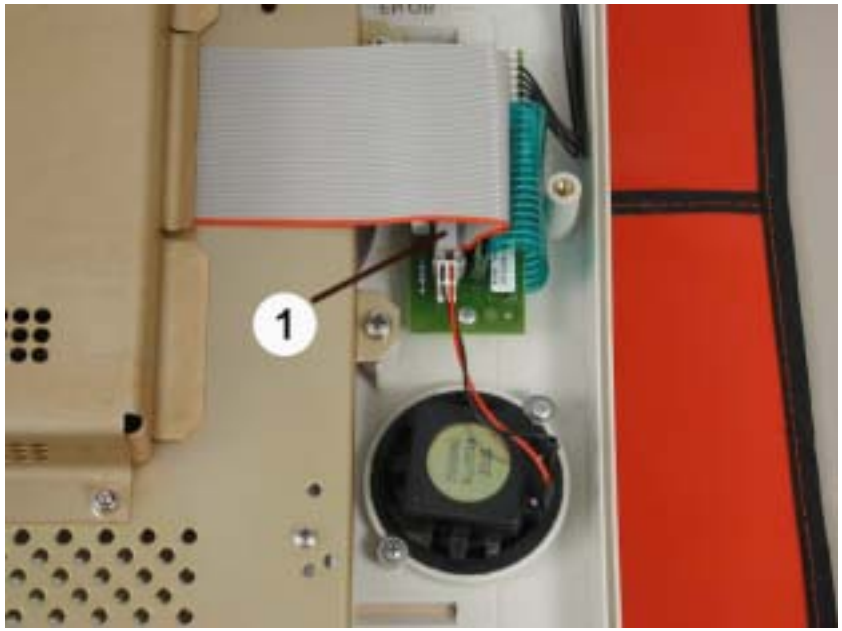

Fig. 13 Cable connector

45 Place the rear panel onto the front frame and secure it with the screws (Fig. 14/1).

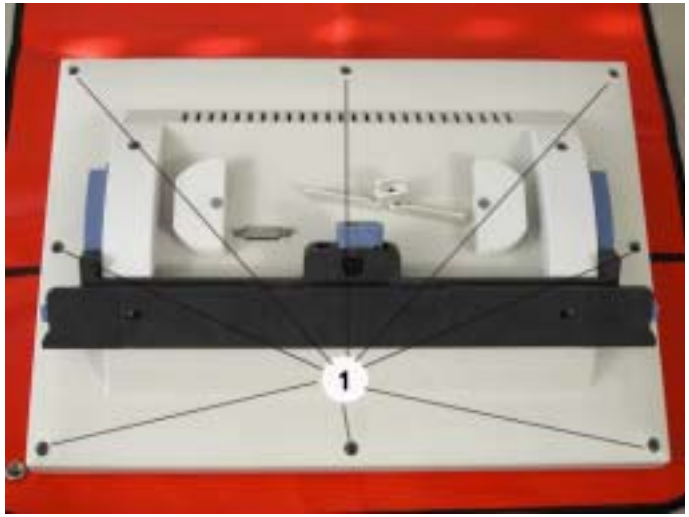

Fig. 14 Rear panel of the control unit

46 Plug the connection cable into the control unit, and secure the plug-in connector to the rear panel of the control unit using the screws (Fig. 15/1).

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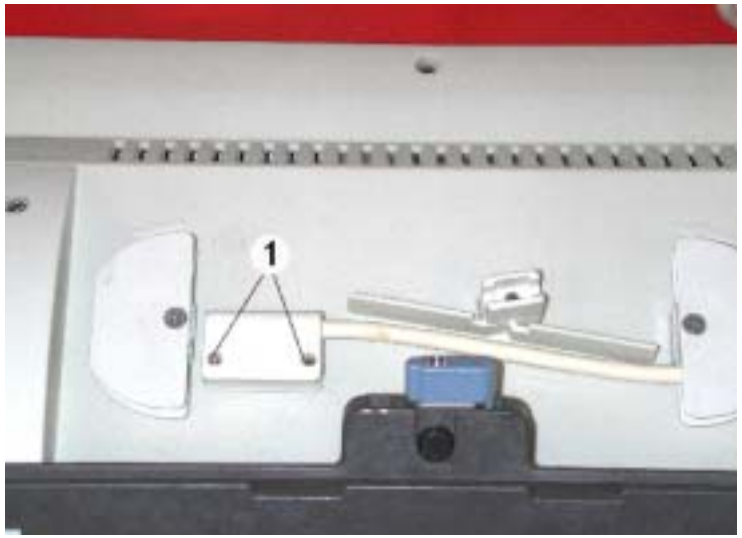

Fig. 15 Plug-in connector

47 Push the control unit into the interlock of the device.

48 Plug the power plug of the device into the socket-outlet.

49 Switch the device on.

50 Perform “electrical safety tests” and “function tests” as described in the PMS procedure. For the USA and Canada: test according to CAN/CSA-22.2 No. 601.1-M90.

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